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Figure 6A shows an overall scheme of the electroporation assembly. A pipette having a first electrode disposed therein is shown inserted into a target cell. A second electrode is visible next to the specimen. Both the first and second electrodes are connected to wire leads which in turn are connected to a voltage stimulator. An oscilloscope which measures current, is shown to the right of the voltage stimulator.

Figure 6B shows a close-up of the electroporation assembly being used for single-cell electroporation into an intact tadpole brain.

IN THE DRAWINGS:

Please insert Figures 5, 6A, and 6B submitted herewith, into the application.

IN THE CLAIMS:

Please substitute the following amended Claims 1 and 9 for the presently pending Claims 1 and 9:

a2
~~1. (Amended) An electroporation assembly comprising:
a singular container having a distal opening, the container configured to receive a
conductive fluid including a substance;
a first electrode having at least a portion configured to be disposed within the container
and in direct electrical communication with the conductive fluid; and
a second electrode positioned in proximity to the distal opening for creating an electric
field between the electrodes.~~

a3
~~9. (Amended) A method for delivering a substance into a cell said method comprising:
providing a singular container having a distal opening;
placing a conductive fluid including a substance in the container;~~